



Xalon XFS80 (80dB) RF Shielded Floor System for ICD / ICS 705 SCIF Rooms and PTBs with concrete floors

80dB from 800KHz to 18GHz
80dB from 10KHz to 18GHz (E-Field Only)

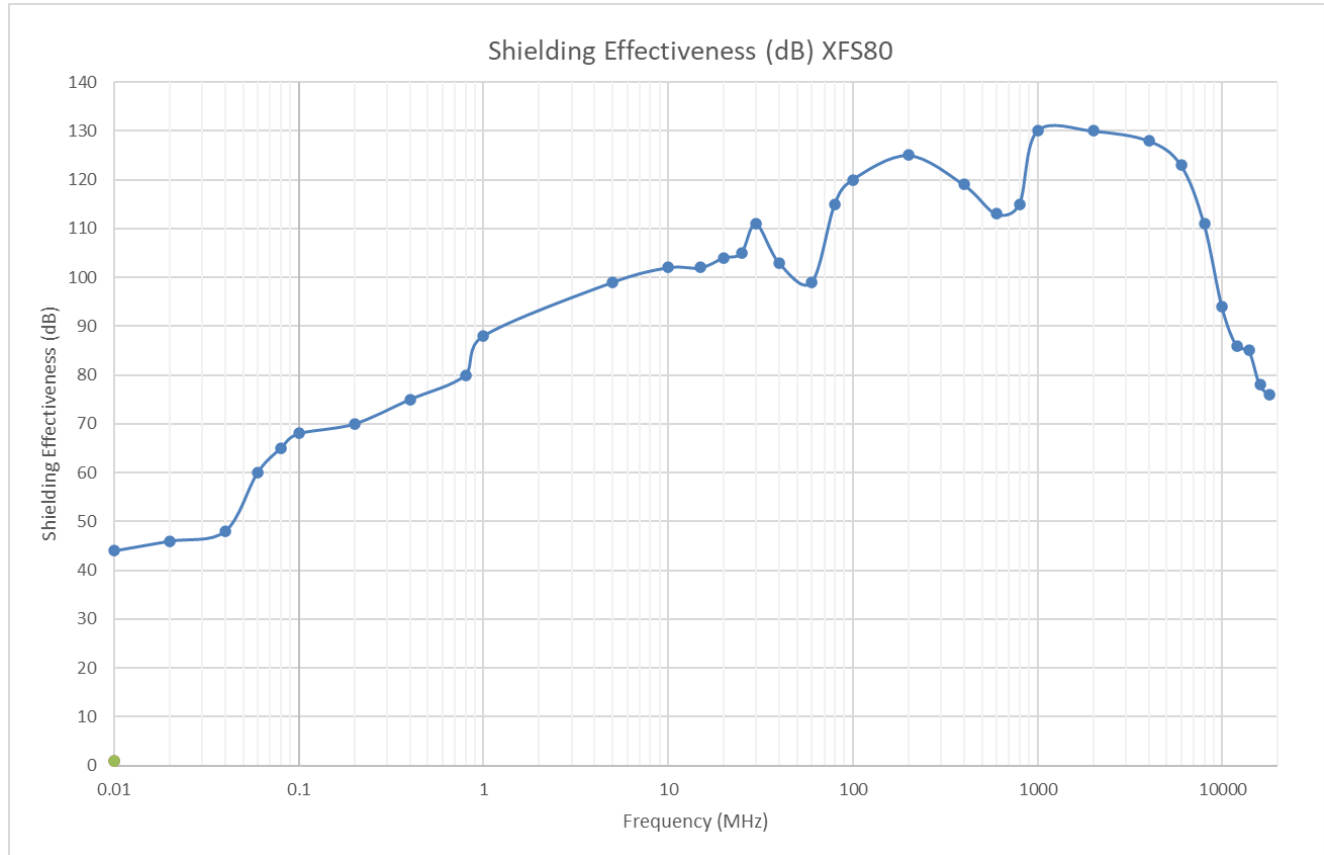
XFS80 is a Warranted, Proprietary RF shielded panel system combining XFP80 metal panels, XFT50 Seaming tape, electrically conductive adhesives, concrete adhesives.

IEEE-299 Test Report

Frequency MHz	OPEN Amplitude (dBuV)	SOLID PLATE Amplitude (dBuV)	Antenna/Amp Setup	Sample Amplitude (dBuV)	Signal Generator Setting (dBm)	Shielding Effectiveness (dB)	Dynamic Range (dB)
0.01	75	-20	Loop, amp and preamp	31	-7	44	95
0.02	80	-20	Loop, amp and preamp	34	-6	46	100
0.04	80	-20	Loop, amp and preamp	32	-6	48	100
0.06	80	-20	Loop, amp and preamp	20	-13	60	100
0.08	80	-25	Loop, amp and preamp	15	-15	65	105
0.1	80	-25	Loop, amp and preamp	12	-16	68	105
0.2	80	-25	Loop, amp and preamp	10	-15	70	105
0.4	75	-25	Loop, amp and preamp	0	-24	75	100
0.8	75	-25	Loop, amp and preamp	-5	-24	80	100
1	85	-25	Loop, amp and preamp	-3	-27	88	110
5	85	-25	Loop, amp and preamp	-14	-40	99	110
10	85	-25	Loop, amp and preamp	-17	-41	102	110
15	85	-25	Loop, amp and preamp	-17	-45	102	110
20	85	-25	Loop, amp and preamp	-19	-47	104	110
25	85	-25	Loop, amp and preamp	-20	-46	105	110
30	90	-25	Loop, amp and preamp	-21	-63	111	115
40	115	-25	Bicon amp preamp	12	-23	103	140
60	115	-25	Bicon amp preamp	16	-19	99	140
80	115	-25	Bicon amp preamp	0	-48	115	140
100	115	-25	Bicon amp preamp	-5	-65	120	140
200	115	-25	Bicon amp preamp	-10	-65	125	140
400	115	-25	Log Pre Amp	-4	-6	119	140
600	115	-25	Log Pre Amp	2	1	113	140
800	115	-25	Log Pre Amp	0	1	115	140
1000	120	-20	Horn, Pre amp	-10	-42	130	140
2000	120	-15	Horn, Preamp	-10	-42	130	135
4000	120	-12	Horn, Preamp	-8	-41	128	132
6000	120	-12	Horn, Preamp	-3	-41	123	132
8000	120	-12	Horn, Preamp	9	-42	111	132
10000	120	-14	Horn, Preamp	26	-37	94	134
12000	120	-16	Horn, Preamp	34	-32	86	136
14000	120	-15	Horn, Preamp	35	-31	85	135
16000	115	-15	Horn, Preamp	37	-28	78	130
18000	115	-17	Horn, Preamp	39	-28	76	132



RF Shielding Effectiveness (dB) Xalon XFS80



Floor flatness is FF of 30 to 50 which is roughly equivalent to a single $\pm 1/8$ " defect in 10' <https://dipstick.com/>
The final wear layer floor material and adhesive will be warranted by that product's manufacturer.

Xalon XFS80 is the most economical 80dB solution.

Substitute Uzin or Xalon products VOIDs the warranty.

The system layers can be modified or deleted with prior written approval by Uzin.

Some RF shielded floor systems may only require two layers.

Any written warranty must come from Uzin.

*** The Warranted RF shielded floor system must be installed by a Xalon/Uzin prequalified floor contractor.
Prequalified floor contractors are available in all 50 states and in most countries.**

UZIN UTZ®
YOUR FLOOR. OUR PASSION.
www.uzin-utz.com

12/10/2025

1-303-761-9447 www.ramayes.com or 1-833-XalonRF (833.925.6673) www.xalonrf.com

©2025 Xalon RF Shielding Systems. Unauthorized distribution is prohibited.